# Rest Available Copy

### PATENT COOPERATION TREATY

## **PCT**

REC'D 2 4 JUN 2005

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)
(PCT Article 36 and Rule 70)

Applicant's or agent's file reference W1764-000000	FOR FURTHER ACTION	See Form PCT/IPEA/416
International application No. PCT/JP2004/010546	International filing date (day/month/year) 16.07.2004	Priority date (day/month/year) 17.07.2003
International Patent Classification (IPC) of Int.Cl. A61K31/4439, A61P1	or national classification and IPC L/00,29/00 //C07D417/04	
Applicant OTSUKA PHARMACEUTI	CAL CO.,LTD.	

1.	Autho	rity under Artic	ternational preliminary examination report, established by this International Preliminary Examining ele 35 and transmitted to the applicant according to Article 36.
2.	This R	LEPORT consist	ts of a total of 4 sheets, including this cover sheet.
3.	This report is also accompanied by ANNEXES, comprising:		
	а. Г	a total of	sheets, as follows:
		and/	ets of the description, claims and/or drawings which have been amended and are the basis of this report of sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the ministrative Instructions).
		beyo	ets which supersede earlier sheets, but which this Authority considers contain an amendment that goes ond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the plemental Box.
	ъ. Г	containing a	ndicate type and number of electronic carrier(s)) a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the tal Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).
4.	This	report contains	indications relating to the following items:
	₩.	Box No. I	Basis of the report
	Γ.	Box No. II	Priority
	P	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
	Г	Box No. IV	Lack of unity of invention
	V	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
	Г	Box No. VI	Certain documents cited
	r	Box No. VII	Certain defects in the international application
	Γ	Box No. VIII	Certain observations on the international application

Date of submission of the demand	Date of completion of this report		
28.12.2004	13.06.2005		
Name and mailing address of the IPEA/JP	Authorized officer	4C	3039
Japan Patent Office	SATOSHI YASUKAWA		
3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan	Telephone No. +81-3-3581-1101 Ext.	3452	

### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2004/010546

Box No. I	Basis of the report		
1. With regar	rd to the language, this report is based on the in indicated under this item.	ternational application in the language	in which it was filed, unless
This:	report is based on translations from the original	language into the following language	
whic	ch is the language of a translation furnished fo international search (under Rules 12.3 and 23.1(	r the purposes of: b))	
	publication of the international application (und		
Г	international preliminary examination (under Ru	iles 55.2 and/or 55.3)	
furnished and are n	rd to the elements of the international applicate to the receiving Office in response to an invitation of annexed to this report):	n under Article 14 are referred to in thi	ent sheets which have been s report as "originally filed"
the in	nternational application as originally filed/furn	ished	
T the d	lescription:		!
pages	s	,	as originally filed/furnished
pages	s*	received by this Authority on	
pages		received by this Authority on	
T the c	claims:	·	
pages	s ·		as originally filed/furnished
pages	s*	as amended (together with any	- ·
pages	s*	received by this Authority on	
pages	s*	received by this Authority on	
T the d	irawings:		•
pages	s		as originally filed/furnished
pages	s*	received by this Authority on	- •
pages	s*	received by this Authority on	
T a sec	quence listing and/or any related table(s) - see \$	Supplemental Box Relating to Sequence	e Listing.
3. The a	amendments have resulted in the cancellation o	f:	
. 「	the description, pages		
Γ	the claims, Nos.		<del></del>
Γ	the drawings, sheets/figs		<del></del>
Γ	the sequence listing (specify):		
Г	any table(s) related to sequence listing (spec	ify):	
made	report has been established as if (some of) the e, since they have been considered to go beyo e 70.2(c)).	amendments annexed to this report and the disclosure as filed, as indicated	d listed below had not been d in the Supplemental Box
r	the description, pages		
Г			
Г	the description of the state of	·	
Γ	the sequence listing (specify):		······································
Γ	any table(s) related to sequence listing (spec	ify):	
* If item 4 app	olies, some or all of those sheets may be marked ".		· · · · · · · · · · · · · · · · · · ·
		mpor seucu.	

## est available Cody

### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2004/010546

Box No.	III Non-establishment of og	inion with regard to novelty, inventive step and industrial applicability
	stions whether the claimed inventions to the claimed in response to the contract of the contra	on appears to be novel, to involve an inventive step (to be non obvious), or to be industrially et of:
٢	the entire international application	
₽	claims Nos.	4,5
beca  v	the said international application, o	or the said claims Nos
of t inte Exam	the human or anima entional prelimina	claims 4 and 5 relates to a method for treatment l body by therapy, which does not require an managery examination by an International Preliminary accordance with PCT Article 34(4)(a)(i) and
Γ	the description, claims or drawing are so unclear that no meaningful	(indicate particular elements below) or said claims Nos  opinion could be formed (specify):
		;
		·
· [-	the claims, or said claims Nos.	are so inadequately supported
	by the description that no meaning	ful opinion could be formed.
<b>₩</b>	no international search report has	ocen established for said claims Nos. 4,5
r	the nucleotide and/or amino acid Administrative Instructions in that	l sequence listing does not comply with the standard provided for in Annex C of the
	the written form	has not been furnished
		does not comply with the standard
	the computer readable form	has not been furnished  does not comply with the standard
<b>~</b>	the tables related to the nucleotide	does not comply with the standard  and/or amino acid sequence listing do not comply with the technical requirements provided
•	for in Annex C-bis of the Adminis	trative Instructions in that the computer readable form:
	has not been furnished	
	does not comply with the	technical requirements
_	See Supplemental Box for further	details.
		·

### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/JP2004/010546

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industr citations and explanations supporting such statement			l applicability;	
1. Statement				
Novelty	(N)	Claims		YES
		Claims	1-3,6,7	NO
Inventiv	e step (IS)	Claims		YES
		Claims	1-3,6,7	NO
Industria	al applicability (IA)	Claims	1-3,6,7	YES
		Claims		NO

### 2. Citations and explanations(Rule 70.7)

D1 BANAN, A. et al, OPC-compounds prevent oxidant-induced carbonylation and depolymerization of the F-actin cytoskeleton and intestinal barrier hyperpermeability, Free Radical Biology & Medicine, 2001, Vol.30, No.3, p.287-298

claims 1-3,6 and 7

The subject matter of claims 1-3,6 and 7 neither appear to be novel nor to involve an inventive step in view of the Document 1 cited in the ISR.

Document 1 discloses that OPC-6535 (6-[2-(3,4-diethoxyphenyl) thiazol-4-yl]pyridine-2-carboxylic acid) may be used as a novel therapeutic agent for treatment of a variety of oxidative inflammatory intestinal disorders such as inflammatory bowel disease (see abstract), and Document 1 also discloses that enema administration of OPC compound could effectively scavenge oxidants (see p.296 right column).